

Paper # 7

Sheet 1 of 3

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

MATERIAL INFORMATION STATEMENT

(Use several sheets if necessary)

ATTY. DOCKET NO.
OMRF108CIP

SERIAL NO.
08/259,321

APPLICANT
Alireza Rezaie, et al.

FILING DATE
June 10, 1994

GROUP
1806

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	IF APPROPRIATE	FILING DATE
PA	AA 4,506,009	03/19/85	Lenhoff, et al.				
PA	AB 5,147,638	09/15/92	Esmon, et al.				MAY 22 1995
PA	AC 5,202,253	04/13/93	Esmon, et al.				
PA	AD 5,298,599	03/29/94	Rezaie, et al.				
PA	AE 5,336,610	08/09/94	Esmon, et al.				
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	AL						
	AM						
	AN						
	AO						
	AP						

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AR	Beckmann, Robert J. et al. "The structure and evolution of a 461 amino acid human protein C precursor and its messenger RNA based upon the DNA sequence of cloned human liver cDNAs," <i>Nucleic Acids Res.</i> 13(14):5233-5246 (1985)
AS	Colman, R.W., et al. <i>Hemostasis and Thrombosis: Basic Principles and Clinical Practice</i> 2nd Ed., p. 283 (J.B. Lippincott, Philadelphia, PA 1987)
AT	Daugherty, et al., <i>Nucl. Acids Res.</i> 19:2471-2476 (1991)

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8/15/2006

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OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AR	Dreyfus, Marie, et al., "Treatment of Homozygous Protein C Deficiency and Neonatal Purpura Fulminans with a Purified Protein C Concentrate," <u>New England Journal of Medicine</u> 325(22):1565-1568 (1991)
AS	Farnon, Charles T., "The Regulation of Natural Anticoagulant Pathways," <u>Science</u> 235:1348-1352 (1987)
AT	Farnon, Charles T., "The Roles of Protein C and Thrombomodulin in the Regulation of Blood Coagulation," <u>J. of Biol. Chem.</u> 264(9):4743-4746 (1989)
AR	Farnon, C.T., et al., at the Joint IABS/CSI Symposium on Standardization in Blood Fractionation Including Coagulation Factors, Melbourne, Australia 1986 (reported in <u>Develop. Biol. Standard.</u> , 67:51-57 (S. Karger, Basel, 1987)
AS	Farnon, C.T., et al., at the Joint IABS/CSI Symposium on Standardization in Blood Fractionation Including Coagulation Factors, Melbourne, Australia 1986 in <u>Develop. Biol. Standard.</u> , 67:75-82 (S. Karger, Basel, 1987)
AT	Freyssinet, J.M., et al., "Inhibition of Human Protein C Activation by Vitamin K-dependent Proteins. Involvement of the γ -Carboxyglutamic Acid Domain in Distinct Interactions with the Human Thrombin-Thrombomodulin Complex and Phospholipids," <u>Thrombosis and Haemostasis</u> 58(1):230 (1987)
AR	Godino, James W., "Purification, Fragmentation and Isotopic Labeling," <u>Monoclonal Antibodies: Principles and Practices</u> 110-113 (Academic Press, Inc.) (1983)
AS	Hendil, Sylvia, et al., "Immunoaffinity purification of protein C with a calcium-dependent monoclonal antibody," <u>Rev. Iberamer. Thromb. Hemostasis</u> 4(1):25-28 (1991)
AT	Hongo, Tasuku, et al. <u>Cell</u> 18:559-568, (1979)*
AR	Ikeda, Kyoichi and Johan Stenflo, "A Radioimmunoassay for Protein C," <u>Thrombosis Research</u> 39:297-306 (1985)
AS	Kabat, H.A., et al., <u>Sequences of Proteins of Immunological Interest</u> , 4th Ed. U.S. Dept. Health and Human Services, Bethesda, MD (1987)*
AT	Kisiel, in <u>J. Clin. Invest.</u> 64, 761-769 (1979)*
AR	Kobilka, B.K., et al., "Chimeric α - β -Adrenergic Receptors: Delineation of Domains Involved in Effector Coupling and Ligand Binding Specificity," <u>Science</u> 240:1310-1316 (1988)*
AS	Laurell, Martin, et al., "Characterization of monoclonal antibodies against human protein C specific for the calcium ion-induced conformation or for the activation peptide region," <u>FEBS Letts.</u> 191(1):75-81 (1985)
AT	Matschner, et al., <u>Current Advances in Vitamin K Research</u> , pp. 135-140, John W. Suttie, ed. (Elsevier Science Publishing Co., Inc. 1988)*

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OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AR	Max, Edward, et al. J. Biol. Chem. 256:5116-5120 (1981)*
AS	Nakamura, Satoko and Yoichi Sakata. "Immunoaffinity purification of protein C by using conformation-specific monoclonal antibodies to protein C-calcium ion complex." <u>Biochimica et Biophysica Acta</u> 925:85-93 (1987)
AT	Ohlin, Ann-Kristin and Johan Stenflo. "Calcium-dependent interaction between the Epidermal Growth Factor Precursor-like Region of Human Protein C and a Monoclonal Antibody." <u>J. Biol. Chem.</u> 262:13798-13804 (1988)
AR	Ohlin, A. K. and J. Stenflo. "High Affinity Calcium to Domains of Protein C That are Homologous to the Epidermal Growth Factor." <u>Thrombosis and Haemostasis</u> 58(1):230 (1987)
AS	Riechmann, L. M. Clark, H. W. Winkmann, G. Winter. "Reshaping human antibodies for therapy." <u>Nature</u> 332:323-327 (1988)*
AT	Seligson, Uri, et al. "Homozygous Protein C Deficiency Manifested by Massive Venous Thrombosis in the Newborn." <u>New England J. of Medicine</u> 310(9):559-562 (1984)
AR	Stearns, Deborah, et al. "The Interaction of a Ca ²⁺ -dependent Monoclonal Antibody with the Protein C Activation Peptide Region." <u>J. Biol. Chem.</u> 263(2):826-832 (1988)
AS	Suoco, et al. <u>Thromb. Hemost. Abstr.</u> Brussels, 229 (1987)*
AT	Summers, M.D. and G.E. Smith. "A manual of methods for baculovirus vectors and insect cell culture procedures." <u>Texas Agricultural Experimental Station</u> (1987)*
AR	Suzuki, Kobi, et al. "Monoclonal Antibodies to Human Protein C: Effects on the Biological Activity of Activated Protein C and the Thrombin-Catalyzed Activation of Protein C." <u>J. Biochem.</u> 97:127-138 (1985)
AS	Taylor, F. B., et al. "Protein C Prevents the Coagulopathic and Lethal Effects of <i>Escherichia coli</i> Infusion in the Baboon." <u>J. Clin. Invest.</u> 79:918-925 (1987)
AT	Verhoeven, M., C. Milstein, G. Winter. "Reshaping Human Antibodies: Grafting an Antihistamine Activity." <u>Science</u> 239:1534-1536 (1988)*
AR	Vukovich, Thomas, et al. "Replacement therapy for a homozygous protein C deficiency state using a concentrate of human protein C and S." <u>British J. of Haematology</u> 70:435-440 (1988)
AS	Wakebavashi, et al. <u>J. Biol. Chem.</u> 261, 11097-11105 (1986)*
AT	

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